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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/944,679	08/31/2001	Douglas J. Pearson	10017718-1	3775

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HEWLETT-PACKARD COMPANY
Intellectual Property Administration
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EXAMINER

CHUONG, TRUC T

ART UNIT	PAPER NUMBER
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2174

DATE MAILED: 06/07/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

EM

Office Action Summary

Application No.

09/944,679

Applicant(s)

PEARSON, DOUGLAS J.

Examiner

Truc T Chuong

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-33 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-33 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Itoh (U.S. Patent No. 5,255,353) in view of Washington et al. (U.S. Patent No. 6,515,682 B1).

As to claims 1 and 11, Itoh teaches a user interface and a software application comprising shadow information representing a shadow direction for an object to be rendered that when actuated actuates the rendering of a shadow having the shadow direction from the rendered object (shadow information 33, col. 1 lines 48-62, and figs. 3A & 6); however, Itoh does not clearly teach an actuatable icon on a GUI. Washington clearly shows of using icons from a GUI in OLE controls of Visual Basic to create and edit icons, control objects, forms, etc. (col. 3 lines 1-25, col. 9 line 48-col. 10 line 51, figs. 21-22). It would have been obvious at the time of the invention, that a person with ordinary skill in the art would want to be able to use the GUI of Washington in the shadow information controls of Itoh to improve visualization for a user when editing an object.

As to claims 2 and 12, Itoh teaches the user interface as defined in Claim 1, further comprising an actuatable icon representing a shadow length for the rendered shadow that when

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actuated actuates the rendered shadow having the shadow length (magnification, col. 6 lines 12-55, col. 7 lines 31-76, and figs. 9G-F).

As to claim 3, Itoh in view of Washington teaches the user interface as defined in Claim 1, wherein the actuatable icon is a menu item on a menu (Washington, Properties with icons of figs. 21-22).

As to claims 4 and 13, Itoh in view of Washington teaches the user interface as defined in Claim 3, wherein the menu item is a numerical expression (col. 8 lines 45-63, and figs. 3A, 9G-F).

As to claims 5 and 14, Itoh teaches the user interface as defined in Claim 4, wherein the numerical expression is selected from the group consisting of degrees and radians (col. 7 lines 31-58, angle and direction of figs. 3A, C, and 6).

As to claim 6, Itoh teaches the user interface as defined in Claim 3, wherein the menu item is a compass point direction (parameters of angle, col. 2 lines 10, and figs. 3A & 6).

As to claims 7 and 16, Itoh teaches the user interface as defined in Claim 3, wherein the rendered object having the shadow direction is rendered upon the menu (it can be rejected under similar rationale of claim 1 above).

As to claim 8, Itoh in view of Washington teaches the user interface as defined in Claim 7, further comprising a print actuation icon that when actuated actuates the printing of shadowed objects having the shadow direction (Washington, print icon on the GUI of figs. 21-22).

As to claim 9, Itoh in view of Washington teaches the user interface as defined in Claim 8, wherein a word processor software application actuates the display of the menu (Washington, Properties of figs. 21-22).

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As to claim 10, Itoh teaches the user interface as defined in Claim 7, wherein the printing operation is selected from the group consisting of printing (printer, col. 4 lines 1-31), magnetic tape recording, photo imaging substrate recording, and magneto optical storage device writing.

As to claim 17, Itoh teaches the user interface as defined in Claim 16, wherein:

the point is on the rendering of the predetermined object (shadow information 33, col. 1 lines 48-62, and figs. 3A & 6); and

the pointing device manipulates the point by a point, click, and drag operation (clicking by using pointing device, col. 7 lines 30-65).

As to claims 18-25, they are method claims of system claims 1, 2, 4-6, 8, 3, and 10. Note the rejections of claims 1, 2, 4-6, 8, 3, and 10 above respectively.

As to claim 26, it is a computer program product claim of method claim 18. Note the rejection of claim 18 above.

As to claims 27-33, they are similar in scope to claims 1, 2, 4-6, 8, and 10 above; therefore, rejected under similar rationale.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Itoh (U.S. Patent No. 5,255,353) teaches shadow images, length, angle, and GUI (cols. 2-13 and figs. 1-10A).

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Truc T Chuong whose telephone number is 703-305-5753. The examiner can normally be reached on M-Th and alternate Fridays 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine L. Kincaid can be reached on 703-308-0640. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Truc T. Chuong

05/28/04

Kristine Kincaid
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SUPERVISORY PATENT EXAMINER
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